

101	23.8	0.4	37	1	US-08-418-123A-12	Sequence 12, Appl	C 174	23.2	0.4	40	2	US-08-771-624B-1	Sequence 1, Appl
102	23.8	0.4	38	1	US-08-418-123A-11	Sequence 11, Appl	C 175	23.2	0.4	40	2	US-08-440-209-4	Sequence 4, Appl
103	23.8	0.4	39	1	US-08-418-123A-10	Sequence 10, Appl	C 176	23.2	0.4	40	3	US-08-439-996-4	Sequence 4, Appl
104	23.8	0.4	40	1	US-08-418-123A-9	Sequence 9, Appl	C 177	23.2	0.4	40	4	US-09-306-290-21	Sequence 21, Appl
105	23.8	0.4	41	1	US-08-418-123A-8	Sequence 8, Appl	178	23.2	0.4	40	4	US-09-732-067-7	Sequence 7, Appl
C 106	23.8	0.4	42	1	US-07-875-167-2	Sequence 2, Appl	179	23.2	0.4	44	1	US-08-113-646A-40	Sequence 40, Appl
C 107	23.8	0.4	42	1	US-08-287-164-2	Sequence 2, Appl	180	23.2	0.4	44	3	US-08-910-632-15	Sequence 15, Appl
108	23.8	0.4	42	1	US-08-418-123A-7	Sequence 7, Appl	181	23.2	0.4	44	3	US-08-805-631A-15	Sequence 15, Appl
109	23.8	0.4	43	1	US-08-418-123A-5	Sequence 5, Appl	182	23.2	0.4	44	4	US-09-569-344-15	Sequence 15, Appl
110	23.8	0.4	43	1	US-08-418-123A-6	Sequence 6, Appl	183	23.2	0.4	47	4	US-09-453-190B-12	Sequence 12, Appl
111	23.8	0.4	43	4	US-09-306-290-37	Sequence 37, Appl	184	23.2	0.4	47	4	US-09-619-103-10	Sequence 10, Appl
112	23.8	0.4	45	1	US-08-418-123A-4	Sequence 4, Appl	185	23.2	0.4	50	1	US-08-420-443-1	Sequence 1, Appl
C 113	23.8	0.4	45	2	US-08-975-902-33	Sequence 33, Appl	186	23.2	0.4	50	2	US-08-663-823B-73	Sequence 73, Appl
C 114	23.8	0.4	45	3	US-09-251-565-33	Sequence 33, Appl	187	23.2	0.4	50	2	US-08-663-823B-74	Sequence 74, Appl
115	23.8	0.4	46	1	US-07-901-707-21	Sequence 21, Appl	C 188	23	0.4	24	2	US-08-808-474A-8	Sequence 8, Appl
116	23.8	0.4	46	1	US-07-988-430-21	Sequence 21, Appl	189	23	0.4	24	2	US-08-808-474A-9	Sequence 9, Appl
117	23.8	0.4	46	1	US-08-425-336-21	Sequence 21, Appl	190	23	0.4	24	2	US-08-808-474A-10	Sequence 10, Appl
118	23.8	0.4	46	1	US-08-488-113B-21	Sequence 21, Appl	C 191	23	0.4	24	2	US-08-808-474A-11	Sequence 11, Appl
119	23.8	0.4	46	1	US-08-477-484B-21	Sequence 21, Appl	C 192	23	0.4	24	4	US-09-235-614-8	Sequence 8, Appl
120	23.8	0.4	46	2	US-08-646-360-21	Sequence 21, Appl	193	23	0.4	24	4	US-09-235-614-9	Sequence 9, Appl
121	23.8	0.4	46	3	US-08-839-765-21	Sequence 21, Appl	194	23	0.4	24	4	US-09-235-614-10	Sequence 10, Appl
122	23.8	0.4	46	3	US-09-136-389-21	Sequence 21, Appl	C 195	23	0.4	24	4	US-09-235-614-11	Sequence 11, Appl
123	23.8	0.4	46	4	US-09-610-838-21	Sequence 21, Appl	C 196	23	0.4	24	4	US-09-487-130-1	Sequence 1, Appl
124	23.8	0.4	46	5	PCT-US92-09487-21	Sequence 5, Appl	C 197	23	0.4	24	4	US-09-487-130-2	Sequence 2, Appl
125	23.6	0.4	44	4	US-09-619-103-5	Sequence 5, Appl	198	23	0.4	24	4	US-09-487-130-3	Sequence 3, Appl
C 126	23.6	0.4	50	2	US-08-663-823B-73	Sequence 73, Appl	199	23	0.4	24	4	US-09-487-130-4	Sequence 4, Appl
127	23.4	0.4	26	1	US-08-621-914A-1	Sequence 1, Appl	C 200	23	0.4	24	4	US-09-487-130-5	Sequence 5, Appl
128	23.4	0.4	26	4	US-09-522-217-38	Sequence 38, Appl	201	23	0.4	24	4	US-09-487-130-6	Sequence 6, Appl
129	23.4	0.4	26	4	US-09-527-345-7	Sequence 7, Appl	C 202	23	0.4	35	1	US-08-435-350-118	Sequence 118, App
130	23.4	0.4	31	4	US-09-268-505B-13	Sequence 13, Appl	203	23	0.4	35	2	US-08-415-593-31	Sequence 31, Appl
C 131	23.4	0.4	33	3	US-09-061-026-26	Sequence 26, Appl	204	23	0.4	38	4	US-09-325-554-13	Sequence 13, Appl
C 132	23.4	0.4	33	3	US-09-466-138-26	Sequence 26, Appl	205	23	0.4	38	4	US-09-325-554-14	Sequence 14, Appl
C 133	23.4	0.4	33	6	5478746-1	Patent No 5478746	C 206	23	0.4	38	4	US-09-619-103-2	Sequence 2, Appl
C 134	23.4	0.4	35	1	US-08-113-646A-37	Sequence 37, Appl	207	23	0.4	40	2	US-08-415-593-46	Sequence 46, Appl
C 135	23.4	0.4	38	4	US-09-619-103-2	Sequence 2, Appl	208	23	0.4	42	2	US-08-776-944-4	Sequence 4, Appl
C 136	23.4	0.4	41	4	US-09-197-814-9	Sequence 9, Appl	209	23	0.4	43	4	US-08-991-840A-13	Sequence 13, Appl
137	23.4	0.4	43	1	US-08-473-096-2	Sequence 2, Appl	210	23	0.4	45	4	US-08-943-731-657	Sequence 657, App
138	23.4	0.4	43	1	US-08-473-096-4	Sequence 4, Appl	C 211	23	0.4	48	1	US-08-741-881-21	Sequence 21, Appl
139	23.4	0.4	43	1	US-08-473-096-6	Sequence 6, Appl	C 212	23	0.4	48	1	US-08-739-158-21	Sequence 21, Appl
C 140	23.4	0.4	43	1	US-08-473-096-11	Sequence 11, Appl	C 213	23	0.4	48	2	US-08-739-167-21	Sequence 21, Appl
C 141	23.4	0.4	43	4	US-09-165-239A-5	Sequence 5, Appl	C 214	23	0.4	48	2	US-08-975-992-40	Sequence 40, Appl
C 142	23.4	0.4	46	1	US-07-901-707-21	Sequence 21, Appl	C 215	23	0.4	48	3	US-08-404-796-21	Sequence 21, Appl
C 143	23.4	0.4	46	1	US-08-425-336-21	Sequence 21, Appl	C 216	23	0.4	48	3	US-08-931-869-21	Sequence 21, Appl
C 144	23.4	0.4	46	1	US-08-488-113B-21	Sequence 21, Appl	C 217	23	0.4	48	3	US-09-251-565-40	Sequence 40, Appl
C 145	23.4	0.4	46	1	US-08-477-484B-21	Sequence 21, Appl	C 218	23	0.4	48	4	US-09-350-399-21	Sequence 21, Appl
C 146	23.4	0.4	46	1	US-08-477-484B-21	Sequence 21, Appl	C 219	23	0.4	48	4	US-09-236-140A-21	Sequence 21, Appl
C 147	23.4	0.4	46	2	US-08-646-360-21	Sequence 21, Appl	220	22.8	0.4	33	1	US-08-465-384-4	Sequence 4, Appl
C 148	23.4	0.4	46	3	US-08-839-765-21	Sequence 21, Appl	221	22.8	0.4	35	1	US-08-418-123A-14	Sequence 14, Appl
C 149	23.4	0.4	46	3	US-09-136-389-21	Sequence 21, Appl	222	22.8	0.4	36	1	US-08-004-800-18	Sequence 18, Appl
C 150	23.4	0.4	46	4	US-09-610-838-21	Sequence 21, Appl	223	22.8	0.4	36	1	US-08-413-813-18	Sequence 18, Appl
C 151	23.4	0.4	46	5	PCT-US92-09487-21	Sequence 5, Appl	224	22.8	0.4	36	2	US-08-467-346-18	Sequence 18, Appl
C 152	23.4	0.4	47	4	US-09-338-907-198	Sequence 198, App	225	22.8	0.4	40	4	US-09-306-290-30	Sequence 30, Appl
C 153	23.4	0.4	47	4	US-09-338-907-275	Sequence 275, App	226	22.8	0.4	40	4	US-09-306-290-34	Sequence 34, Appl
C 154	23.4	0.4	47	4	US-09-218-207-198	Sequence 198, App	C 227	22.8	0.4	42	4	US-09-244-794A-11	Sequence 11, Appl
C 155	23.4	0.4	47	4	US-09-218-207-275	Sequence 275, App	C 228	22.8	0.4	42	4	US-09-247-190-11	Sequence 11, Appl
C 156	23.4	0.4	47	4	US-09-453-190B-12	Sequence 12, Appl	C 229	22.8	0.4	42	4	US-09-247-190-13	Sequence 13, Appl
C 157	23.4	0.4	47	4	US-09-619-103-10	Sequence 10, Appl	230	22.8	0.4	43	1	US-08-473-096-3	Sequence 3, Appl
158	23.4	0.4	47	4	US-09-641-638-886	Sequence 886, App	231	22.8	0.4	43	1	US-08-473-096-5	Sequence 5, Appl
159	23.4	0.4	50	2	US-08-663-823B-72	Sequence 72, Appl	232	22.8	0.4	43	1	US-08-473-096-7	Sequence 7, Appl
160	23.2	0.4	29	4	US-09-244-794A-8	Sequence 8, Appl	233	22.8	0.4	43	1	US-08-473-096-12	Sequence 12, Appl
161	23.2	0.4	29	4	US-09-007-005-8	Sequence 8, Appl	234	22.8	0.4	46	4	US-09-641-638-1292	Sequence 1292, Ap
162	23.2	0.4	29	4	US-09-247-190-8	Sequence 8, Appl	235	22.6	0.4	26	4	US-09-527-345-6	Sequence 6, Appl
163	23.2	0.4	29	4	US-09-244-796-8	Sequence 8, Appl	236	22.6	0.4	26	4	US-09-167-513-10	Sequence 10, Appl
C 164	23.2	0.4	30	1	US-08-433-505-9	Sequence 9, Appl	C 237	22.6	0.4	30	1	US-08-455-627-12	Sequence 12, Appl
C 165	23.2	0.4	30	3	US-08-870-730-9	Sequence 9, Appl	C 238	22.6	0.4	30	2	US-08-689-856-12	Sequence 12, Appl
C 166	23.2	0.4	30	4	US-09-083-123-3	Sequence 3, Appl	C 239	22.6	0.4	30	4	US-08-787-321-12	Sequence 12, Appl
C 167	23.2	0.4	30	4	US-09-083-123-7	Sequence 7, Appl	C 240	22.6	0.4	40	3	US-09-433-505-10	Sequence 10, Appl
C 168	23.2	0.4	30	4	US-08-882-649A-10	Sequence 10, Appl	C 241	22.6	0.4	40	4	US-08-870-730-10	Sequence 10, Appl
C 169	23.2	0.4	36	1	US-08-113-646A-6	Sequence 6, Appl	242	22.6	0.4	40	4	US-09-306-290-32	Sequence 32, Appl
C 170	23.2	0.4	36	4	US-09-462-569B-4	Sequence 4, Appl	C 243	22.6	0.4	42	4	US-08-974-691-12	Sequence 12, Appl
C 171	23.2	0.4	37	1	US-08-294-424-49	Sequence 49, Appl	C 244	22.6	0.4	45	4	US-09-101-751A-77	Sequence 77, Appl
172	23.2	0.4	39	2	US-08-455-968E-44	Sequence 44, Appl	C 245	22.6	0.4	46	1	US-07-915-245-3	Sequence 3, Appl
173	23.2	0.4	39	4	US-09-619-103-4	Sequence 4, Appl	C 246	22.6	0.4	47	2	US-08-778-494B-114	Sequence 114, App

247	22.6	0.4	47	4	US-09-338-907-198	Sequence 198, App	320	22.2	0.4	50	3	US-09-074-357-17	Sequence 17, Appl
248	22.6	0.4	47	4	US-09-338-907-275	Sequence 275, App	321	22	0.4	30	1	US-08-433-505-9	Sequence 9, Appli
249	22.6	0.4	47	4	US-09-218-207-198	Sequence 198, App	322	22	0.4	30	3	US-08-870-730-9	Sequence 9, Appli
250	22.6	0.4	47	4	US-09-218-207-275	Sequence 275, App	323	22	0.4	30	4	US-09-083-123-3	Sequence 3, Appli
251	22.6	0.4	48	1	US-08-380-438-6	Sequence 6, Appli	324	22	0.4	30	4	US-09-083-123-7	Sequence 7, Appli
252	22.6	0.4	50	2	US-08-541-033A-9	Sequence 9, Appli	325	22	0.4	30	4	US-08-882-649A-10	Sequence 10, Appl
C 253	22.6	0.4	50	2	US-08-663-823B-72	Sequence 72, Appl	C 326	22	0.4	35	1	US-08-592-936B-27	Sequence 27, Appl
C 254	22.6	0.4	50	2	US-08-663-823B-74	Sequence 74, Appl	C 327	22	0.4	35	1	US-08-788-928A-25	Sequence 25, Appl
255	22.6	0.4	50	2	US-08-451-9	Sequence 9, Appli	C 328	22	0.4	35	2	US-09-111-573-27	Sequence 27, Appl
C 256	22.4	0.4	24	1	US-08-014-943A-25	Sequence 25, Appl	329	22	0.4	36	1	US-08-004-800-16	Sequence 16, Appl
C 257	22.4	0.4	24	1	US-08-486-421-50	Sequence 50, Appl	330	22	0.4	36	1	US-08-413-813-16	Sequence 16, Appl
C 258	22.4	0.4	24	1	US-08-470-911-50	Sequence 1, Appli	331	22	0.4	36	2	US-08-467-346-16	Sequence 16, Appl
C 259	22.4	0.4	24	2	US-08-735-381-1	Sequence 50, Appl	332	22	0.4	36	2	US-08-863-639A-25	Sequence 25, Appl
C 260	22.4	0.4	24	2	US-08-486 809-50	Sequence 7, Appli	333	22	0.4	36	4	US-09-420-592A-13	Sequence 13, Appl
C 261	22.4	0.4	24	3	US-09-183-619-7	Sequence 11, Appli	334	22	0.4	39	1	US-08-485-602-89	Sequence 89, Appl
C 262	22.4	0.4	24	3	US-09-201-674-1	Sequence 11, Appli	335	22	0.4	39	1	US-08-745-638-89	Sequence 89, Appl
C 263	22.4	0.4	24	4	US-09-536-936-11	Sequence 4, Appli	336	22	0.4	40	4	US-09-306-290-17	Sequence 17, Appl
C 264	22.4	0.4	24	4	US-09-025-639-4	Sequence 4, Appli	337	22	0.4	40	4	US-09-306-290-26	Sequence 26, Appl
C 265	22.4	0.4	24	4	US-09-333-237-4	Sequence 4, Appli	338	22	0.4	45	1	US-08-792-019B-15	Sequence 15, Appl
C 266	22.4	0.4	24	4	US-09-732-067-1	Sequence 1, Appli	339	22	0.4	45	3	US-08-988-819-15	Sequence 15, Appl
267	22.4	0.4	25	1	US-08-341-148-2	Sequence 2, Appli	340	22	0.4	45	3	US-09-016-534-15	Sequence 15, Appl
268	22.4	0.4	25	1	US-08-460-130-2	Sequence 2, Appli	341	21.8	0.4	26	3	US-08-910-632-5	Sequence 5, Appli
269	22.4	0.4	25	3	US-08-969-813-1	Sequence 1, Appli	342	21.8	0.4	26	3	US-08-805-631A-5	Sequence 5, Appli
270	22.4	0.4	25	3	US-09-183-619-5	Sequence 5, Appli	343	21.8	0.4	26	4	US-09-569-344-5	Sequence 5, Appli
271	22.4	0.4	25	5	PCT-US94-14096-2	Sequence 2, Appli	C 344	21.8	0.4	29	3	US-08-910-632-6	Sequence 6, Appli
272	22.4	0.4	26	1	US-08-621-914A-2	Sequence 2, Appli	C 345	21.8	0.4	29	3	US-08-805-631A-6	Sequence 6, Appli
273	22.4	0.4	26	1	US-08-621-914A-3	Sequence 3, Appli	C 346	21.9	0.4	29	4	US-09-569-344-6	Sequence 6, Appli
274	22.4	0.4	26	3	US-08-873-437-2	Sequence 2, Appli	347	21.8	0.4	34	1	US-08-418 123A-15	Sequence 15, Appl
275	22.4	0.4	26	4	US-09-197-951-5	Sequence 5, Appli	348	21.8	0.4	35	2	US-08-173 489C-20	Sequence 20, Appl
276	22.4	0.4	26	4	US-08-860-038-19	Sequence 19, Appl	349	21.8	0.4	38	4	US-09-325-554-9	Sequence 9, Appli
277	22.4	0.4	26	4	US-09-222-217-39	Sequence 39, Appl	350	21.8	0.4	40	1	US-08-644-664B-15	Sequence 15, Appl
278	22.4	0.4	26	4	US-09-580-923-19	Sequence 19, Appl	351	21.8	0.4	40	2	US-08-761-277A-15	Sequence 15, Appl
C 279	22.4	0.4	27	1	US-08-208-486-79	Sequence 79, Appl	C 352	21.8	0.4	45	1	US-08-522 623-4	Sequence 4, Appli
280	22.4	0.4	27	4	US-09-325-554-15	Sequence 18, Appl	C 353	21.8	0.4	45	5	PCT-US93-03256-4	Sequence 4, Appli
C 281	22.4	0.4	29	4	US-09-244-794A-8	Sequence 8, Appli	354	21.8	0.4	46	3	US-09-322-692-1	Sequence 1, Appli
C 282	22.4	0.4	29	4	US-09-007-005-8	Sequence 8, Appli	C 355	21.8	0.4	46	4	US-08-821 994 9	Sequence 9, Appli
C 283	22.4	0.4	29	4	US-09-247-190-8	Sequence 8, Appli	356	21.8	0.4	46	4	US-09-690-200-1	Sequence 1, Appli
C 284	22.4	0.4	29	4	US-09-244-796-8	Sequence 8, Appli	357	21.8	0.4	47	4	US-09-641-638 1191	Sequence 1191, Ap
285	22.4	0.4	32	5	PCT-US92-10792-1	Sequence 1, Appli	C 358	21.8	0.4	47	4	US-08-821-994-8	Sequence 8, Appli
C 286	22.4	0.4	34	1	US-08-113-646A-36	Sequence 36, Appl	C 359	21.8	0.4	48	4	US-09-307-924-17	Sequence 17, Appl
C 287	22.4	0.4	35	1	US-08-438-500-6	Sequence 6, Appli	C 360	21.8	0.4	49	1	US-08-462-894-21	Sequence 21, Appl
C 288	22.4	0.4	35	1	US-08-477-442-6	Sequence 6, Appli	C 361	21.8	0.4	49	1	US-08-206-185-21	Sequence 21, Appl
C 289	22.4	0.4	35	5	PCT-US94-05910-6	Sequence 6, Appli	C 362	21.8	0.4	50	1	US-08-109-391A-11	Sequence 11, Appl
C 290	22.4	0.4	38	4	US-09-325-554-15	Sequence 15, Appl	C 363	21.8	0.4	50	1	US-08-459-019A-11	Sequence 11, Appl
C 291	22.4	0.4	40	2	US-08-771-624B-10	Sequence 10, Appl	C 364	21.8	0.4	50	1	US-08-485-107-3	Sequence 3, Appli
C 292	22.4	0.4	40	3	US-09-070-998-1	Sequence 1, Appli	C 365	21.8	0.4	50	1	US-08-724-194-7	Sequence 7, Appli
C 293	22.4	0.4	40	4	US-09-574-561-1	Sequence 1, Appli	C 366	21.8	0.4	50	2	US-08-460-428A-11	Sequence 11, Appl
294	22.4	0.4	42	4	US-09-693-146-14	Sequence 14, Appl	C 367	21.8	0.4	50	2	US-08-879-260-9	Sequence 9, Appli
295	22.4	0.4	46	1	US-08-232-463-40	Sequence 40, Appl	C 368	21.9	0.4	50	2	US-08-799-464A-27	Sequence 27, Appl
C 296	22.4	0.4	46	2	US-08-663-688A-4	Sequence 4, Appli	C 369	21.8	0.4	50	2	US-08-874-825-26	Sequence 26, Appl
297	22.4	0.4	47	4	US-08-641-638-885	Sequence 885, App	C 370	21.8	0.4	50	3	US-08-663-824 36	Sequence 36, Appl
C 298	22.4	0.4	48	2	US-08-563-368B-14	Sequence 14, Appl	C 371	21.8	0.4	50	3	US-08-458-860A-11	Sequence 11, Appl
C 299	22.4	0.4	48	4	US-09-549-770B-14	Sequence 14, Appl	C 372	21.8	0.4	50	4	US-08-934-627B-3	Sequence 3, Appli
C 300	22.4	0.4	48	4	US-09-101-751A-14	Sequence 14, Appl	C 373	21.8	0.4	50	4	US-09-171-482-3	Sequence 3, Appli
C 301	22.4	0.4	50	1	US-08-381-572-20	Sequence 20, Appl	C 374	21.8	0.4	50	4	US-09-231-303-26	Sequence 26, Appl
C 302	22.4	0.4	50	1	US-08-592-820-20	Sequence 20, Appl	C 375	21.8	0.4	50	4	US-09-255-154D-1	Sequence 1, Appli
C 303	22.4	0.4	50	2	US-08-975-932-24	Sequence 24, Appl	C 376	21.6	0.4	30	1	US-08-418-123A-2	Sequence 3, Appli
C 304	22.4	0.4	50	3	US-09-251-565-24	Sequence 24, Appl	377	21.6	0.4	33	6	5478746-1	Patent No 5478746
C 305	22.2	0.4	30	4	US-09-648-040-4	Sequence 4, Appli	C 378	21.6	0.4	36	2	US-08-863-639A-26	Sequence 26, Appl
C 306	22.2	0.4	32	4	US-09-268-509B-13	Sequence 13, Appli	C 379	21.6	0.4	39	2	US-08-701-124-44	Sequence 44, Appl
307	22.2	0.4	42	1	US-08-250-859-3	Sequence 3, Appli	C 380	21.6	0.4	39	3	US-09-130-225-44	Sequence 44, Appl
308	22.2	0.4	42	1	US-08-490-803-3	Sequence 3, Appli	381	21.6	0.4	39	4	US-09-240-918-82	Sequence 82, Appl
309	22.2	0.4	42	2	US-08-457-254-14	Sequence 14, Appl	C 382	21.6	0.4	39	4	US-09-455-061-44	Sequence 44, Appl
310	22.2	0.4	42	2	US-08-484-257-3	Sequence 3, Appli	C 383	21.6	0.4	39	4	US-09-101-751A-68	Sequence 68, Appl
311	22.2	0.4	42	4	US-08-974-631-12	Sequence 12, Appl	C 384	21.6	0.4	39	4	US-09-101-751A-79	Sequence 79, Appl
312	22.2	0.4	42	5	PCT-US94-08806-3	Sequence 3, Appli	C 385	21.6	0.4	40	4	US-09-306-290-2	Sequence 2, Appli
313	22.2	0.4	42	5	PCT-US95-01775-3	Sequence 3, Appli	386	21.6	0.4	40	4	US-09-306-290-16	Sequence 16, Appl
314	22.2	0.4	42	5	PCT-US95-16626-14	Sequence 14, Appl	387	21.6	0.4	45	1	US-08-522-623-6	Sequence 6, Appli
315	22.2	0.4	44	4	US-09-293-362-3	Sequence 3, Appli	388	21.6	0.4	45	1	US-08-522-623-11	Sequence 11, Appl
316	22.2	0.4	47	4	US-09-641-638-918	Sequence 918, App	C 389	21.6	0.4	45	2	US-08-701-124-42	Sequence 42, Appl
317	22.2	0.4	49	6	5516641-1	Patent No. 5516641	C 390	21.6	0.4	45	3	US-09-130 225 42	Sequence 42, Appl
318	22.2	0.4	50	2	US-08-975-902-24	Sequence 24, Appl	C 391	21.6	0.4	45	4	US-09-455 061-42	Sequence 42, Appl
319	22.2	0.4	50	3	US-09-251-565-24	Sequence 24, Appl	392	21.6	0.4	45	5	PCT-US93-03256-6	Sequence 6, Appli

393	21.6	0.4	45	5	PCT-US93-03256-11	Sequence 11, Appl	466	21	0.4	50	4	US-09-617-871-6	Sequence 6, Appl
394	21.6	0.4	47	3	US-08-999-733-6	Sequence 6, Appl	C 467	20.8	0.4	25	1	US-08-113-646A-42	Sequence 42, Appl
395	21.6	0.4	48	2	US-08-975-902-40	Sequence 40, Appl	C 468	20.8	0.4	27	4	US-09-325-554-18	Sequence 18, Appl
396	21.6	0.4	48	3	US-09-251-565-40	Sequence 40, Appl	469	20.8	0.4	32	1	US-08-126-594-8	Sequence 8, Appl
C 397	21.6	0.4	49	4	US-09-007-005-14	Sequence 14, Appl	470	20.8	0.4	32	1	US-08-465-811A-8	Sequence 8, Appl
C 398	21.6	0.4	49	4	US-09-244-796-14	Sequence 14, Appl	471	20.8	0.4	32	2	US-08-619-542B-8	Sequence 8, Appl
C 399	21.4	0.4	24	4	US-09-164-249B-6	Sequence 6, Appl	472	20.8	0.4	33	1	US-08-418-123A-16	Sequence 16, Appl
C 400	21.4	0.4	33	1	US-08-113-646A-35	Sequence 35, Appl	473	20.8	0.4	35	1	US-08-126-594-19	Sequence 19, Appl
C 401	21.4	0.4	35	1	US-08-435-350-118	Sequence 118, Appl	474	20.8	0.4	35	1	US-08-465-811A-19	Sequence 19, Appl
C 402	21.4	0.4	40	2	US-08-859-196A-4	Sequence 4, Appl	475	20.8	0.4	35	2	US-08-619-542B-19	Sequence 19, Appl
C 403	21.4	0.4	40	4	US-09-306-290-19	Sequence 19, Appl	476	20.8	0.4	36	1	US-08-413-813-3	Sequence 3, Appl
C 404	21.4	0.4	40	4	US-09-306-290-27	Sequence 27, Appl	477	20.8	0.4	36	1	US-08-265-628-9	Sequence 9, Appl
C 405	21.4	0.4	40	4	US-09-306-290-36	Sequence 36, Appl	478	20.8	0.4	36	2	US-08-467-346-3	Sequence 3, Appl
C 406	21.4	0.4	40	4	US-09-011-540-11	Sequence 11, Appl	479	20.8	0.4	38	2	US-08-771-624B-21	Sequence 21, Appl
C 407	21.4	0.4	40	4	US-09-732-067-6	Sequence 6, Appl	480	20.8	0.4	38	4	US-09-325-554-7	Sequence 7, Appl
C 408	21.4	0.4	41	4	US-08-484-992A-11	Sequence 11, Appl	481	20.8	0.4	38	4	US-09-325-554-11	Sequence 11, Appl
C 409	21.4	0.4	43	1	US-09-473-096-8	Sequence 8, Appl	482	20.8	0.4	40	1	US-08-433-505-10	Sequence 10, Appl
C 410	21.4	0.4	43	1	US-08-473-096-13	Sequence 13, Appl	483	20.8	0.4	40	3	US-08-870-730-10	Sequence 10, Appl
C 411	21.4	0.4	44	4	US-09-240-918-79	Sequence 79, Appl	484	20.8	0.4	40	4	US-09-306-290-19	Sequence 19, Appl
C 412	21.4	0.4	45	1	US-08-244-113-15	Sequence 15, Appl	485	20.8	0.4	40	4	US-09-306-290-28	Sequence 28, Appl
C 413	21.4	0.4	45	1	US-08-211-942-20	Sequence 20, Appl	486	20.8	0.4	40	4	US-09-306-290-30	Sequence 30, Appl
C 414	21.4	0.4	45	3	US-08-646-273-10	Sequence 10, Appl	C 487	20.8	0.4	40	4	US-09-306-290-38	Sequence 38, Appl
C 415	21.4	0.4	47	4	US-09-549-770B-13	Sequence 13, Appl	488	20.8	0.4	40	4	US-09-306-290-39	Sequence 39, Appl
C 416	21.4	0.4	47	4	US-09-641-638-916	Sequence 916, Appl	C 489	20.8	0.4	40	4	US-08-970-166-18	Sequence 18, Appl
C 417	21.4	0.4	47	4	US-09-641-638-936	Sequence 936, Appl	C 490	20.8	0.4	42	2	US-08-975-902-31	Sequence 31, Appl
C 418	21.4	0.4	49	4	US-09-538-709-1030	Sequence 1030, Appl	C 491	20.8	0.4	42	3	US-09-251-565-31	Sequence 31, Appl
C 419	21.2	0.4	26	1	US-08-621-914A-2	Sequence 2, Appl	C 492	20.8	0.4	42	4	US-09-536-936-4	Sequence 4, Appl
C 420	21.2	0.4	26	3	US-08-873-437-2	Sequence 3, Appl	493	20.8	0.4	42	4	US-09-536-936-5	Sequence 5, Appl
C 421	21.2	0.4	26	4	US-09-197-951-5	Sequence 5, Appl	494	20.8	0.4	43	3	US-09-026-343-6	Sequence 6, Appl
C 422	21.2	0.4	26	4	US-09-522-217-39	Sequence 39, Appl	C 495	20.8	0.4	43	4	US-09-306-290-37	Sequence 37, Appl
C 423	21.2	0.4	27	1	US-08-208-486-79	Sequence 79, Appl	C 496	20.8	0.4	43	4	US-09-387-300-36	Sequence 36, Appl
C 424	21.2	0.4	24	4	US-09-522-217-27	Sequence 27, Appl	497	20.8	0.4	43	4	US-09-362-871-6	Sequence 6, Appl
C 425	21.2	0.4	30	4	US-09-420-592A-12	Sequence 12, Appl	498	20.8	0.4	46	2	US-08-663-688A-4	Sequence 4, Appl
C 426	21.2	0.4	39	3	US-09-118-752-1	Sequence 1, Appl	499	20.8	0.4	47	4	US-09-641-638-658	Sequence 658, Appl
C 427	21.2	0.4	40	4	US-09-306-290-25	Sequence 25, Appl	C 500	20.8	0.4	47	4	US-09-641-638-871	Sequence 871, Appl
C 428	21.2	0.4	40	4	US-09-306-290-38	Sequence 38, Appl	501	20.8	0.4	50	4	US-08-906-156A-78	Sequence 78, Appl
C 429	21.2	0.4	40	4	US-09-306-290-41	Sequence 41, Appl	502	20.6	0.4	35	1	US-08-126-594-12	Sequence 12, Appl
C 430	21.2	0.4	41	1	US-08-142-897-1	Sequence 1, Appl	503	20.6	0.4	35	1	US-08-110-158-8	Sequence 8, Appl
C 431	21.2	0.4	41	1	US-08-113-646A-39	Sequence 39, Appl	504	20.6	0.4	35	1	US-08-465-811A-12	Sequence 12, Appl
C 432	21.2	0.4	47	4	US-09-641-638-748	Sequence 748, Appl	505	20.6	0.4	35	2	US-08-619-542B-12	Sequence 12, Appl
C 433	21.2	0.4	36	1	US-08-093-453B-12	Sequence 12, Appl	C 506	20.6	0.4	37	2	US-08-762-106-7	Sequence 7, Appl
C 434	21.2	0.4	36	1	US-08-459-041A-9	Sequence 9, Appl	C 507	20.6	0.4	37	2	US-08-762-106-12	Sequence 12, Appl
C 435	21.2	0.4	36	4	US-09-244-794A-14	Sequence 14, Appl	508	20.6	0.4	37	4	US-09-130-546D-4	Sequence 4, Appl
C 436	21.2	0.4	36	4	US-09-247-190-14	Sequence 14, Appl	C 509	20.6	0.4	37	4	US-09-320-774-7	Sequence 7, Appl
C 437	21.2	0.4	37	4	US-08-358-627F-12	Sequence 12, Appl	C 510	20.6	0.4	37	4	US-09-320-774-12	Sequence 12, Appl
C 438	21.2	0.4	37	4	US-08-455-712C-12	Sequence 12, Appl	511	20.6	0.4	38	4	US-09-261-855-35	Sequence 35, Appl
C 439	21.2	0.4	37	4	US-09-552-733-12	Sequence 12, Appl	512	20.6	0.4	40	4	US-09-306-290-12	Sequence 12, Appl
C 440	21.2	0.4	38	4	US-09-325-554-8	Sequence 8, Appl	C 513	20.6	0.4	40	4	US-09-306-290-21	Sequence 21, Appl
C 441	21.2	0.4	38	4	US-09-325-554-9	Sequence 9, Appl	C 514	20.6	0.4	41	1	US-08-478-039-40	Sequence 40, Appl
C 442	21.2	0.4	39	4	US-09-306-290-40	Sequence 40, Appl	C 515	20.6	0.4	41	1	US-08-476-349A-40	Sequence 40, Appl
C 443	21.2	0.4	40	4	US-09-306-290-7	Sequence 7, Appl	C 516	20.6	0.4	41	3	US-08-523-894-33	Sequence 33, Appl
C 444	21.2	0.4	40	4	US-09-306-290-9	Sequence 9, Appl	517	20.6	0.4	41	4	US-09-130-546D-2	Sequence 2, Appl
C 445	21.2	0.4	40	4	US-09-306-290-14	Sequence 14, Appl	518	20.6	0.4	42	4	US-09-101-751A-69	Sequence 69, Appl
C 446	21.2	0.4	40	4	US-09-306-290-29	Sequence 29, Appl	C 519	20.6	0.4	45	1	US-07-912-900-10	Sequence 10, Appl
C 447	21.2	0.4	40	4	US-09-476-256-27	Sequence 27, Appl	C 520	20.6	0.4	45	1	US-08-285-309-10	Sequence 10, Appl
C 448	21.2	0.4	42	1	US-08-741-881-3	Sequence 3, Appl	521	20.6	0.4	45	1	US-08-522-623-4	Sequence 4, Appl
C 449	21.2	0.4	42	1	US-08-739-158-3	Sequence 3, Appl	C 522	20.6	0.4	45	1	US-08-313-075A-6	Sequence 6, Appl
C 450	21.2	0.4	42	2	US-08-739-167-3	Sequence 3, Appl	C 523	20.6	0.4	45	2	US-08-379-556A-11	Sequence 11, Appl
C 451	21.2	0.4	42	3	US-08-404-796-3	Sequence 3, Appl	C 524	20.6	0.4	45	2	US-08-379-482A-1	Sequence 1, Appl
C 452	21.2	0.4	42	3	US-08-931-869-3	Sequence 3, Appl	C 525	20.6	0.4	45	2	US-09-502-046-10	Sequence 10, Appl
C 453	21.2	0.4	42	4	US-09-350-399-3	Sequence 3, Appl	526	20.6	0.4	45	5	PCT-US93-03256-4	Sequence 4, Appl
C 454	21.2	0.4	42	4	US-09-236-140A-3	Sequence 3, Appl	527	20.6	0.4	46	3	US-08-289-222E-11	Sequence 11, Appl
C 455	21.2	0.4	43	4	US-09-306-290-1	Sequence 1, Appl	528	20.6	0.4	46	4	US-09-054-526B-11	Sequence 11, Appl
C 456	21.2	0.4	45	1	US-08-440-391-25	Sequence 25, Appl	C 529	20.4	0.4	22	1	US-08-123-449A-19	Sequence 19, Appl
C 457	21.2	0.4	45	2	US-08-908-597A-25	Sequence 25, Appl	C 530	20.4	0.4	22	3	US-08-458-050-19	Sequence 19, Appl
C 458	21.2	0.4	45	4	US-09-236-185A-25	Sequence 25, Appl	C 531	20.4	0.4	22	3	US-08-847-844A-94	Sequence 94, Appl
C 459	21.2	0.4	45	5	PCT-US93-06122-25	Sequence 25, Appl	C 532	20.4	0.4	22	4	US-08-950-196-19	Sequence 19, Appl
C 460	21.2	0.4	46	1	US-08-249-112-5	Sequence 5, Appl	533	20.4	0.4	23	2	US-08-637-115-3	Sequence 3, Appl
C 461	21.2	0.4	46	1	US-08-465-384-5	Sequence 5, Appl	534	20.4	0.4	23	4	US-09-395-604A-3	Sequence 3, Appl
C 462	21.2	0.4	46	5	PCT-US95-06556-5	Sequence 5, Appl	C 535	20.4	0.4	26	4	US-09-527-345-6	Sequence 6, Appl
C 463	21.2	0.4	47	4	US-09-641-638-917	Sequence 917, Appl	C 536	20.4	0.4	26	4	US-09-167-513-10	Sequence 10, Appl
C 464	21.2	0.4	49	1	US-08-361-337-5	Sequence 5, Appl	537	20.4	0.4	30	1	US-08-455-627-12	Sequence 12, Appl
C 465	21.2	0.4	50	3	US-08-846-020A-6	Sequence 6, Appl	538	20.4	0.4	30	2	US-08-689-856-12	Sequence 12, Appl

539	20.4	0.4	30	4	US-08-787-221-12	Sequence 12, Appl	612	20.2	0.4	39	3	US-09-130-225-45	Sequence 45, Appl
C 540	20.4	0.4	32	1	US-08-113-646A-5	Sequence 5, Appl	613	20.2	0.4	39	4	US-09-537-357-49	Sequence 49, Appl
C 541	20.4	0.4	32	4	US-09-619-103-14	Sequence 14, Appl	614	20.2	0.4	39	4	US-09-455-061-45	Sequence 45, Appl
C 542	20.4	0.4	34	3	US-08-910-632-13	Sequence 13, Appl	615	20.2	0.4	39	4	US-09-101-751A-80	Sequence 80, Appl
C 543	20.4	0.4	34	3	US-08-805-631A-13	Sequence 13, Appl	616	20.2	0.4	40	2	US-08-771-624B-10	Sequence 10, Appl
C 544	20.4	0.4	34	4	US-09-569-344-13	Sequence 13, Appl	C 617	20.2	0.4	40	2	US-08-859-106A-4	Sequence 4, Appl
545	20.4	0.4	35	1	US-08-126-594-9	Sequence 9, Appl	618	20.2	0.4	40	4	US-09-306-290-31	Sequence 31, Appl
546	20.4	0.4	35	1	US-08-465-811A-9	Sequence 9, Appl	C 619	20.2	0.4	40	4	US-09-306-290-31	Sequence 31, Appl
547	20.4	0.4	35	2	US-08-619-542B-9	Sequence 9, Appl	620	20.2	0.4	40	4	US-09-306-290-33	Sequence 33, Appl
548	20.4	0.4	35	4	US-09-194-612A-14	Sequence 14, Appl	C 621	20.2	0.4	40	4	US-09-011-540-11	Sequence 11, Appl
549	20.4	0.4	38	4	US-09-454-704A-2	Sequence 2, Appl	622	20.2	0.4	42	4	US-09-306-290-13	Sequence 13, Appl
C 550	20.4	0.4	38	4	US-09-454-704A-12	Sequence 12, Appl	623	20.2	0.4	43	1	US-08-639-256-7	Sequence 7, Appl
551	20.4	0.4	38	4	US-09-325-554-16	Sequence 16, Appl	624	20.2	0.4	43	4	US-09-306-290-10	Sequence 10, Appl
552	20.4	0.4	38	4	US-09-325-554-17	Sequence 17, Appl	625	20.2	0.4	46	2	US-08-803-899-10	Sequence 10, Appl
553	20.4	0.4	39	1	US-08-466-033-170	Sequence 170, App	C 626	20.2	0.4	46	2	US-08-803-899-10	Sequence 10, Appl
554	20.4	0.4	39	1	US-08-466-033-184	Sequence 184, App	C 627	20.2	0.4	46	2	US-08-803-899-10	Sequence 10, Appl
555	20.4	0.4	39	1	US-08-591-498-17	Sequence 17, Appl	C 628	20.2	0.4	47	3	US-08-999-733-6	Sequence 6, Appl
556	20.4	0.4	39	1	US-08-444-733-170	Sequence 170, App	629	20.2	0.4	49	1	US-07-949-812-12	Sequence 12, Appl
557	20.4	0.4	39	1	US-08-444-733-184	Sequence 184, App	C 630	20.2	0.4	49	1	US-07-955-905A-6	Sequence 6, Appl
558	20.4	0.4	39	2	US-08-464-134-170	Sequence 170, App	C 631	20.2	0.4	49	4	US-07-955-905A-6	Sequence 6, Appl
559	20.4	0.4	39	2	US-08-464-134-184	Sequence 184, App	C 632	20.2	0.4	49	4	US-08-768-619-21	Sequence 21, Appl
560	20.4	0.4	39	2	US-08-461-361-170	Sequence 170, App	C 633	20.2	0.4	49	5	US-08-768-619-21	Sequence 21, Appl
561	20.4	0.4	39	2	US-08-461-361-184	Sequence 184, App	C 634	20.2	0.4	49	5	PCT-US96-07709-40	Sequence 40, Appl
562	20.4	0.4	39	2	US-08-485-910-170	Sequence 170, App	C 635	20.2	0.4	49	5	PCT-US96-03848-20	Sequence 20, Appl
563	20.4	0.4	39	2	US-08-485-910-184	Sequence 184, App	C 636	20.2	0.4	50	1	US-08-420-443-2	Sequence 2, Appl
C 564	20.4	0.4	39	3	US-08-910-632-17	Sequence 17, Appl	637	20	0.4	50	4	US-08-906-156A-80	Sequence 80, Appl
C 565	20.4	0.4	39	3	US-08-805-631A-17	Sequence 17, Appl	C 638	20	0.4	50	4	US-08-004-552-1	Sequence 1, Appl
C 566	20.4	0.4	39	3	US-09-120-386-4	Sequence 4, Appl	639	20	0.4	50	2	US-08-863-639A-72	Sequence 72, Appl
C 567	20.4	0.4	39	4	US-09-120-699-5	Sequence 4, Appl	C 640	20	0.4	50	2	US-08-863-639A-93	Sequence 93, Appl
C 568	20.4	0.4	39	4	US-09-569-344-17	Sequence 5, Appl	C 641	20	0.4	50	2	US-08-946-138-1	Sequence 1, Appl
C 569	20.4	0.4	39	4	US-09-569-344-17	Sequence 17, Appl	C 642	20	0.4	50	2	US-08-946-138-1	Sequence 1, Appl
570	20.4	0.4	40	1	US-08-510-032A-2	Sequence 2, Appl	643	20	0.4	50	2	US-09-225-652-1	Sequence 2, Appl
571	20.4	0.4	40	3	US-08-688-514-2	Sequence 2, Appl	644	20	0.4	50	2	US-08-400-275-13	Sequence 13, Appl
572	20.4	0.4	40	4	US-09-306-290-8	Sequence 8, Appl	645	20	0.4	50	2	US-08-592-936B-2	Sequence 2, Appl
573	20.4	0.4	40	4	US-09-306-290-11	Sequence 11, Appl	646	20	0.4	50	2	US-08-788-928A-12	Sequence 12, Appl
C 574	20.4	0.4	40	4	US-09-306-290-18	Sequence 18, Appl	647	20	0.4	50	2	US-09-111-573-2	Sequence 2, Appl
575	20.4	0.4	40	4	US-09-506-729-5	Sequence 5, Appl	648	20	0.4	50	2	US-08-113-646A-2	Sequence 2, Appl
576	20.4	0.4	41	4	US-09-306-290-3	Sequence 3, Appl	649	20	0.4	50	2	US-08-126-594-11	Sequence 11, Appl
C 577	20.4	0.4	42	4	US-09-454-704A-14	Sequence 14, Appl	C 650	20	0.4	50	2	US-08-465-811A-11	Sequence 11, Appl
578	20.4	0.4	43	1	US-08-473-096-9	Sequence 9, Appl	651	20	0.4	50	2	US-08-619-542B-11	Sequence 11, Appl
579	20.4	0.4	43	1	US-08-473-096-14	Sequence 14, Appl	652	20	0.4	50	2	PCT-US92-10792-20	Sequence 20, Appl
580	20.4	0.4	46	1	US-08-171-389-211	Sequence 211, App	653	20	0.4	50	2	US-09-325-554-8	Sequence 8, Appl
581	20.4	0.4	46	1	US-08-123-936-211	Sequence 211, App	654	20	0.4	50	2	US-09-325-554-8	Sequence 8, Appl
582	20.4	0.4	46	2	US-08-475-228A-211	Sequence 211, App	655	20	0.4	50	2	US-09-306-290-6	Sequence 6, Appl
583	20.4	0.4	46	3	US-08-482-080A-211	Sequence 211, App	656	20	0.4	50	2	US-09-306-290-23	Sequence 23, Appl
584	20.4	0.4	46	4	US-09-354-947-211	Sequence 211, App	C 657	20	0.4	50	2	US-09-306-290-23	Sequence 23, Appl
C 585	20.4	0.4	46	4	US-09-549-770B-12	Sequence 12, App	658	20	0.4	50	2	US-08-910-632-28	Sequence 28, Appl
586	20.4	0.4	46	5	PCT-US93-12388-211	Sequence 211, App	659	20	0.4	50	2	US-08-805-631A-28	Sequence 28, Appl
587	20.4	0.4	50	2	US-08-828-007-7	Sequence 7, Appl	C 660	20	0.4	50	2	US-09-536-936-8	Sequence 8, Appl
C 588	20.4	0.4	50	4	US-09-007-005-5	Sequence 5, Appl	661	20	0.4	50	2	US-09-569-344-28	Sequence 28, Appl
C 589	20.4	0.4	50	4	US-09-244-796-5	Sequence 5, Appl	C 662	20	0.4	50	2	US-08-686-599A-14	Sequence 14, Appl
C 590	20.4	0.4	50	4	US-08-341-148-2	Sequence 2, Appl	C 663	20	0.4	50	2	US-08-522-623-11	Sequence 11, Appl
C 591	20.2	0.4	50	4	US-08-460-130-2	Sequence 2, Appl	664	20	0.4	50	2	PCT-US93-03256-11	Sequence 11, Appl
C 592	20.2	0.4	50	4	US-08-969-813-1	Sequence 1, Appl	665	20	0.4	50	2	US-09-549-770B-14	Sequence 14, Appl
C 593	20.2	0.4	50	4	US-09-183-619-5	Sequence 5, Appl	666	20	0.4	50	2	US-08-420-443-2	Sequence 2, Appl
C 594	20.2	0.4	50	4	US-09-038-627-120	Sequence 120, App	667	20	0.4	50	2	US-08-646-635-10	Sequence 10, Appl
C 595	20.2	0.4	50	4	PCT-US94-14096-2	Sequence 2, Appl	668	20	0.4	50	2	PCT-US96-06053-10	Sequence 10, Appl
C 596	20.2	0.4	50	4	US-08-621-914A-1	Sequence 1, Appl	669	20	0.4	50	2	US-08-996-306-10	Sequence 10, Appl
C 597	20.2	0.4	50	4	US-08-621-914A-3	Sequence 3, Appl	670	20	0.4	50	2	US-09-338-907-10	Sequence 10, Appl
C 598	20.2	0.4	50	4	US-09-523-217-38	Sequence 38, Appl	671	20	0.4	50	2	US-09-218-207-10	Sequence 10, Appl
C 599	20.2	0.4	50	4	US-09-527-345-7	Sequence 7, Appl	672	20	0.4	50	2	US-08-113-646A-42	Sequence 42, Appl
600	20.2	0.4	50	4	US-08-522-623-14	Sequence 14, Appl	673	20	0.4	50	2	US-08-927-165A-10	Sequence 10, Appl
601	20.2	0.4	50	4	PCT-US93-03256-14	Sequence 14, Appl	674	20	0.4	50	2	US-08-771-781-2	Sequence 2, Appl
C 602	20.2	0.4	50	4	US-09-307-924-1	Sequence 1, Appl	675	20	0.4	50	2	US-08-126-594-8	Sequence 8, Appl
C 603	20.2	0.4	50	4	US-08-467-603-100	Sequence 100, App	676	20	0.4	50	2	US-08-465-811A-8	Sequence 8, Appl
C 604	20.2	0.4	50	4	US-08-173-489C-19	Sequence 19, App	677	20	0.4	50	2	US-08-619-542B-8	Sequence 8, Appl
C 605	20.2	0.4	50	4	US-08-466-793-100	Sequence 100, App	678	20	0.4	50	2	US-08-975-902-46	Sequence 46, Appl
606	20.2	0.4	50	4	US-08-491-861A-100	Sequence 100, App	679	20	0.4	50	2	US-09-251-565-46	Sequence 46, Appl
607	20.2	0.4	50	4	US-09-120-386-3	Sequence 3, Appl	680	20	0.4	50	2	US-09-074-357-10	Sequence 10, Appl
608	20.2	0.4	50	4	US-09-120-501-3	Sequence 3, Appl	681	20	0.4	50	2	US-09-244-794A-15	Sequence 15, Appl
609	20.2	0.4	50	4	US-09-120-501-3	Sequence 3, Appl	682	20	0.4	50	2	US-09-054-492B-3	Sequence 3, Appl
610	20.2	0.4	50	4	US-09-325-554-6	Sequence 6, Appl	683	20	0.4	50	2	US-08-444-644-1	Sequence 1, Appl
611	20.2	0.4	50	4	US-08-701-124-45	Sequence 45, Appl	684	20	0.4	50	2	US-08-232-246A-1	Sequence 1, Appl

C 685	19.8	0.4	25	US-08-473-489A-20	Sequence 20, Appl	759	19.6	0.4	40	US-08-473-489A-3	Sequence 3, Appl
C 686	19.8	0.4	25	US-08-474-490A-30	Sequence 30, Appl	759	19.6	0.4	40	US-08-490-490A-120	Sequence 120, Appl
C 687	19.8	0.4	35	US-08-491-491A-30	Sequence 30, Appl	760	19.6	0.4	42	US-08-491-491A-120	Sequence 120, Appl
C 688	19.8	0.4	35	US-08-492-492A-11	Sequence 4, Appl	761	19.6	0.4	42	US-08-492-492A-120	Sequence 120, Appl
C 689	19.8	0.4	35	US-08-493-493A-11	Sequence 5, Appl	762	19.6	0.4	42	US-08-493-493A-120	Sequence 120, Appl
C 690	19.8	0.4	35	US-08-494-494A-14	Sequence 14, Appl	763	19.6	0.4	44	US-08-494-494A-5	Sequence 5, Appl
C 691	19.8	0.4	36	US-08-495-495A-14	Sequence 14, Appl	764	19.6	0.4	44	US-08-495-495A-5	Sequence 5, Appl
C 692	19.8	0.4	36	US-08-496-496A-4	Sequence 4, Appl	765	19.6	0.4	47	US-08-496-496A-267	Sequence 267, Appl
C 693	19.8	0.4	36	US-08-497-497A-5	Sequence 5, Appl	766	19.6	0.4	47	US-08-497-497A-267	Sequence 267, Appl
C 694	19.8	0.4	37	US-08-498-498A-1	Sequence 1, Appl	767	19.6	0.4	48	US-08-498-498A-1	Sequence 1, Appl
C 695	19.8	0.4	37	US-08-499-499A-2	Sequence 2, Appl	768	19.6	0.4	48	US-08-499-499A-14	Sequence 14, Appl
C 696	19.8	0.4	37	US-08-500-500A-26	Sequence 26, Appl	769	19.6	0.4	48	US-08-500-500A-15	Sequence 15, Appl
C 697	19.8	0.4	38	US-08-501-501A-7	Sequence 7, Appl	770	19.6	0.4	48	US-08-501-501A-15	Sequence 15, Appl
C 698	19.8	0.4	38	US-08-502-502A-10	Sequence 10, Appl	771	19.6	0.4	48	US-08-502-502A-14	Sequence 14, Appl
C 699	19.8	0.4	38	US-08-503-503A-12	Sequence 12, Appl	772	19.6	0.4	48	US-08-503-503A-14	Sequence 14, Appl
C 700	19.8	0.4	39	US-08-504-504A-40	Sequence 40, Appl	773	19.6	0.4	48	US-08-504-504A-15	Sequence 15, Appl
C 701	19.8	0.4	39	US-08-505-505A-3	Sequence 3, Appl	774	19.6	0.4	48	US-08-505-505A-225	Sequence 225, Appl
C 702	19.8	0.4	39	US-08-506-506A-12	Sequence 12, Appl	775	19.6	0.4	48	US-08-506-506A-14	Sequence 14, Appl
C 703	19.8	0.4	40	US-08-507-507A-18	Sequence 18, Appl	776	19.6	0.4	50	US-08-507-507A-10	Sequence 10, Appl
C 704	19.8	0.4	40	US-08-508-508A-22	Sequence 22, Appl	777	19.6	0.4	50	US-08-508-508A-13	Sequence 13, Appl
C 705	19.8	0.4	40	US-08-509-509A-24	Sequence 24, Appl	778	19.6	0.4	50	US-08-509-509A-2	Sequence 2, Appl
C 706	19.8	0.4	40	US-08-510-510A-35	Sequence 35, Appl	779	19.6	0.4	50	US-08-510-510A-3	Sequence 3, Appl
C 707	19.8	0.4	40	US-08-511-511A-419	Sequence 419, Appl	780	19.6	0.4	50	US-08-511-511A-13	Sequence 13, Appl
C 708	19.8	0.4	40	US-08-512-512A-15	Sequence 15, Appl	781	19.6	0.4	50	US-08-512-512A-13	Sequence 13, Appl
C 709	19.8	0.4	40	US-08-513-513A-16	Sequence 16, Appl	782	19.6	0.4	50	US-08-513-513A-13	Sequence 13, Appl
C 710	19.8	0.4	40	US-08-514-514A-17	Sequence 17, Appl	783	19.6	0.4	50	US-08-514-514A-13	Sequence 13, Appl
C 711	19.8	0.4	40	US-08-515-515A-17	Sequence 17, Appl	784	19.6	0.4	50	US-08-515-515A-13	Sequence 13, Appl
C 712	19.8	0.4	41	US-08-516-516A-33	Sequence 33, Appl	785	19.6	0.4	50	US-08-516-516A-13	Sequence 13, Appl
C 713	19.8	0.4	41	US-08-517-517A-16	Sequence 16, Appl	786	19.6	0.4	50	US-08-517-517A-13	Sequence 13, Appl
C 714	19.8	0.4	41	US-08-518-518A-16	Sequence 16, Appl	787	19.6	0.4	50	US-08-518-518A-13	Sequence 13, Appl
C 715	19.8	0.4	41	US-08-519-519A-16	Sequence 16, Appl	788	19.6	0.4	50	US-08-519-519A-13	Sequence 13, Appl
C 716	19.8	0.4	41	US-08-520-520A-16	Sequence 16, Appl	789	19.6	0.4	50	US-08-520-520A-13	Sequence 13, Appl
C 717	19.8	0.4	41	US-08-521-521A-5	Sequence 5, Appl	790	19.6	0.4	50	US-08-521-521A-59	Sequence 59, Appl
C 718	19.8	0.4	41	US-08-522-522A-32	Sequence 32, Appl	791	19.6	0.4	50	US-08-522-522A-3	Sequence 3, Appl
C 719	19.8	0.4	42	US-08-523-523A-9	Sequence 9, Appl	792	19.6	0.4	50	US-08-523-523A-6	Sequence 6, Appl
C 720	19.8	0.4	42	US-08-524-524A-36	Sequence 36, Appl	793	19.6	0.4	50	US-08-524-524A-75	Sequence 75, Appl
C 721	19.8	0.4	42	US-08-525-525A-22	Sequence 22, Appl	794	19.6	0.4	50	US-08-525-525A-75	Sequence 75, Appl
C 722	19.8	0.4	42	US-08-526-526A-5	Sequence 5, Appl	795	19.6	0.4	50	US-08-526-526A-75	Sequence 75, Appl
C 723	19.8	0.4	42	US-08-527-527A-14	Sequence 14, Appl	796	19.6	0.4	50	US-08-527-527A-75	Sequence 75, Appl
C 724	19.8	0.4	42	US-08-528-528A-14	Sequence 14, Appl	797	19.6	0.4	50	US-08-528-528A-75	Sequence 75, Appl
C 725	19.8	0.4	42	US-08-529-529A-14	Sequence 14, Appl	798	19.6	0.4	50	US-08-529-529A-75	Sequence 75, Appl
C 726	19.8	0.4	42	US-08-530-530A-14	Sequence 14, Appl	799	19.6	0.4	50	US-08-530-530A-75	Sequence 75, Appl
C 727	19.8	0.4	42	US-08-531-531A-14	Sequence 14, Appl	800	19.6	0.4	50	US-08-531-531A-75	Sequence 75, Appl
C 728	19.8	0.4	42	US-08-532-532A-14	Sequence 14, Appl	801	19.6	0.4	50	US-08-532-532A-75	Sequence 75, Appl
C 729	19.8	0.4	42	US-08-533-533A-14	Sequence 14, Appl	802	19.6	0.4	50	US-08-533-533A-75	Sequence 75, Appl
C 730	19.8	0.4	42	US-08-534-534A-14	Sequence 14, Appl	803	19.6	0.4	50	US-08-534-534A-75	Sequence 75, Appl
C 731	19.8	0.4	42	US-08-535-535A-14	Sequence 14, Appl	804	19.6	0.4	50	US-08-535-535A-75	Sequence 75, Appl
C 732	19.8	0.4	42	US-08-536-536A-14	Sequence 14, Appl	805	19.6	0.4	50	US-08-536-536A-75	Sequence 75, Appl
C 733	19.8	0.4	42	US-08-537-537A-14	Sequence 14, Appl	806	19.6	0.4	50	US-08-537-537A-75	Sequence 75, Appl
C 734	19.8	0.4	42	US-08-538-538A-14	Sequence 14, Appl	807	19.6	0.4	50	US-08-538-538A-75	Sequence 75, Appl
C 735	19.8	0.4	42	US-08-539-539A-14	Sequence 14, Appl	808	19.6	0.4	50	US-08-539-539A-75	Sequence 75, Appl
C 736	19.8	0.4	42	US-08-540-540A-14	Sequence 14, Appl	809	19.6	0.4	50	US-08-540-540A-75	Sequence 75, Appl
C 737	19.8	0.4	42	US-08-541-541A-14	Sequence 14, Appl	810	19.6	0.4	50	US-08-541-541A-75	Sequence 75, Appl
C 738	19.8	0.4	42	US-08-542-542A-14	Sequence 14, Appl	811	19.6	0.4	50	US-08-542-542A-75	Sequence 75, Appl
C 739	19.8	0.4	42	US-08-543-543A-14	Sequence 14, Appl	812	19.6	0.4	50	US-08-543-543A-75	Sequence 75, Appl
C 740	19.8	0.4	42	US-08-544-544A-14	Sequence 14, Appl	813	19.6	0.4	50	US-08-544-544A-75	Sequence 75, Appl
C 741	19.8	0.4	42	US-08-545-545A-14	Sequence 14, Appl	814	19.6	0.4	50	US-08-545-545A-75	Sequence 75, Appl
C 742	19.8	0.4	42	US-08-546-546A-14	Sequence 14, Appl	815	19.6	0.4	50	US-08-546-546A-75	Sequence 75, Appl
C 743	19.8	0.4	42	US-08-547-547A-14	Sequence 14, Appl	816	19.6	0.4	50	US-08-547-547A-75	Sequence 75, Appl
C 744	19.8	0.4	42	US-08-548-548A-14	Sequence 14, Appl	817	19.6	0.4	50	US-08-548-548A-75	Sequence 75, Appl
C 745	19.8	0.4	42	US-08-549-549A-14	Sequence 14, Appl	818	19.6	0.4	50	US-08-549-549A-75	Sequence 75, Appl
C 746	19.8	0.4	42	US-08-550-550A-14	Sequence 14, Appl	819	19.6	0.4	50	US-08-550-550A-75	Sequence 75, Appl
C 747	19.8	0.4	42	US-08-551-551A-14	Sequence 14, Appl	820	19.6	0.4	50	US-08-551-551A-75	Sequence 75, Appl
C 748	19.8	0.4	42	US-08-552-552A-14	Sequence 14, Appl	821	19.6	0.4	50	US-08-552-552A-75	Sequence 75, Appl
C 749	19.8	0.4	42	US-08-553-553A-14	Sequence 14, Appl	822	19.6	0.4	50	US-08-553-553A-75	Sequence 75, Appl
C 750	19.8	0.4	42	US-08-554-554A-14	Sequence 14, Appl	823	19.6	0.4	50	US-08-554-554A-75	Sequence 75, Appl
C 751	19.8	0.4	42	US-08-555-555A-14	Sequence 14, Appl	824	19.6	0.4	50	US-08-555-555A-75	Sequence 75, Appl
C 752	19.8	0.4	42	US-08-556-556A-14	Sequence 14, Appl	825	19.6	0.4	50	US-08-556-556A-75	Sequence 75, Appl
C 753	19.8	0.4	42	US-08-557-557A-14	Sequence 14, Appl	826	19.6	0.4	50	US-08-557-557A-75	Sequence 75, Appl
C 754	19.8	0.4	42	US-08-558-558A-14	Sequence 14, Appl	827	19.6	0.4	50	US-08-558-558A-75	Sequence 75, Appl
C 755	19.8	0.4	42	US-08-559-559A-14	Sequence 14, Appl	828	19.6	0.4	50	US-08-559-559A-75	Sequence 75, Appl
C 756	19.8	0.4	42	US-08-560-560A-14	Sequence 14, Appl	829	19.6	0.4	50	US-08-560-560A-75	Sequence 75, Appl
C 757	19.8	0.4	42	US-08-561-561A-14	Sequence 14, Appl	830	19.6	0.4	50	US-08-561-561A-75	Sequence 75, Appl

831	19.4	0.4	40	4	US-08-970-166-18	Sequence 18, Appl	C 904	19.2	0.4	36	4	US-09-372-448A-7	Sequence 7, Appli
832	19.4	0.4	41	1	US-07-967-262-5	Sequence 5, Appli	C 905	19.2	0.4	36	4	US-09-310-363C-9	Sequence 9, Appli
833	19.4	0.4	44	4	US-09-240-918-79	Sequence 79, Appl	C 906	19.2	0.4	36	4	US-09-504-445-7	Sequence 7, Appli
834	19.4	0.4	45	1	US-07-912-900-10	Sequence 10, Appl	907	19.2	0.4	37	1	US-08-611-107-36	Sequence 36, Appl
835	19.4	0.4	45	1	US-08-285-309-10	Sequence 10, Appl	908	19.2	0.4	37	4	US-08-934-386-13	Sequence 13, Appl
836	19.4	0.4	45	1	US-08-313-075A-6	Sequence 6, Appli	909	19.2	0.4	38	4	US-08-934-386-25	Sequence 25, Appl
837	19.4	0.4	45	2	US-08-379-556A-11	Sequence 11, Appl	910	19.2	0.4	40	3	US-08-688-514-14	Sequence 14, Appl
838	19.4	0.4	45	2	US-08-379-482A-1	Sequence 1, Appli	C 911	19.2	0.4	40	3	US-09-080-044-18	Sequence 18, Appl
839	19.4	0.4	45	2	US-08-502-046-10	Sequence 10, Appl	912	19.2	0.4	40	4	US-09-306-290-5	Sequence 5, Appli
C 840	19.4	0.4	45	4	US-08-502-046-10	Sequence 11, Appl	C 913	19.2	0.4	40	4	US-09-306-290-20	Sequence 20, Appl
841	19.4	0.4	45	4	US-09-549-770B-11	Patent No. 5427929	C 914	19.2	0.4	40	4	US-09-306-290-23	Sequence 23, Appl
C 842	19.4	0.4	45	6	5427929-23	Patent No. 5427929	C 915	19.2	0.4	40	4	US-09-306-290-29	Sequence 29, Appl
843	19.4	0.4	45	6	5427929-24	Sequence 1148, Ap	C 916	19.2	0.4	40	4	US-09-531-857A-18	Sequence 18, Appl
844	19.4	0.4	47	4	US-09-641-638-1148	Sequence 43, Appl	917	19.2	0.4	40	4	US-08-970-166-15	Sequence 15, Appl
845	19.4	0.4	47	4	US-09-552-322-43	Sequence 6, Appli	C 918	19.2	0.4	42	4	US-09-536-936-9	Sequence 9, Appli
C 846	19.4	0.4	48	2	US-08-776-944-6	Sequence 15, Appl	C 919	19.2	0.4	45	4	US-09-518-914-11	Sequence 11, Appl
847	19.4	0.4	50	1	US-09-549-770B-15	Sequence 43, Appl	920	19.2	0.4	46	1	US 08 222-177A-349	Sequence 349, App
848	19.4	0.4	50	1	US-07-720-222-43	Sequence 11, Appl	C 921	19.2	0.4	46	4	US-09-641-638-1292	Sequence 1292, Ap
849	19.4	0.4	50	1	US-08-109-391A-11	Sequence 11, Appl	C 922	19.2	0.4	47	1	US-08-178-476A-2	Sequence 2, Appli
850	19.4	0.4	50	1	US-08-459-019A-11	Sequence 3, Appli	C 923	19.2	0.4	47	1	US-08-257-073-120	Sequence 120, App
851	19.4	0.4	50	1	US-08-485-107-3	Sequence 7, Appli	C 924	19.2	0.4	47	4	US-09-083-366-2	Sequence 2, Appli
852	19.4	0.4	50	2	US-08-460-428A-11	Sequence 11, Appl	925	19.2	0.4	47	4	US-09-641-638-897	Sequence 897, App
853	19.4	0.4	50	2	US-08-879-260-9	Sequence 9, Appli	926	19.2	0.4	47	4	US-09-641-638-1167	Sequence 1167, Ap
854	19.4	0.4	50	2	US-08-799-464A-27	Sequence 27, Appl	C 927	19.2	0.4	47	4	US-09-641-638-1284	Sequence 1284, Ap
855	19.4	0.4	50	3	US-08-874-825-36	Sequence 36, Appl	C 928	19.2	0.4	47	4	US-09-552-322-43	Sequence 43, Appl
856	19.4	0.4	50	3	US-08-663-824-36	Sequence 36, Appl	929	19.2	0.4	49	1	US-07-949-812-16	Sequence 16, Appl
857	19.4	0.4	50	3	US-08-458-860A-11	Sequence 11, Appl	930	19.2	0.4	49	1	US-07-955-905A-10	Sequence 10, Appl
858	19.4	0.4	50	3	US-08-899-029-2	Sequence 2, Appli	C 931	19.2	0.4	49	4	US-09-275-850-197	Sequence 197, App
859	19.4	0.4	50	4	US-08-934-627B-3	Sequence 3, Appli	C 932	19.2	0.4	50	1	US-08-455-627-26	Sequence 26, Appl
860	19.4	0.4	50	4	US-09-171-482-3	Sequence 3, Appli	C 933	19.2	0.4	50	2	US-08 689-856-26	Sequence 26, Appl
861	19.4	0.4	50	4	US-09-231-303-36	Sequence 36, Appl	934	19.2	0.4	50	4	US-08-906-156A-79	Sequence 79, Appl
862	19.4	0.4	50	4	US-09-255-154D-1	Sequence 1, Appli	935	19.2	0.4	50	4	US-08-906-156A-91	Sequence 91, Appl
863	19.2	0.4	24	1	US-08-014-943A-25	Sequence 25, Appl	936	19.2	0.4	50	4	US-08-906-156A-92	Sequence 92, Appl
864	19.2	0.4	24	1	US-08-486-421-50	Sequence 50, Appl	937	19	0.4	20	4	US-09-407-675-2	Sequence 2, Appli
865	19.2	0.4	24	1	US-08-470-911-50	Sequence 50, Appl	C 938	19	0.4	28	2	US-08-762-106-11	Sequence 11, Appl
866	19.2	0.4	24	2	US-08-735-381-1	Sequence 1, Appli	C 939	19	0.4	28	4	US-09-320-774-11	Sequence 11, Appl
867	19.2	0.4	24	2	US-08-486-809-50	Sequence 50, Appl	940	19	0.4	29	2	US-08-666-405-15	Sequence 15, Appl
868	19.2	0.4	24	3	US-09-183-619-7	Sequence 7, Appli	941	19	0.4	29	3	US-09-157-177-27	Sequence 27, Appl
869	19.2	0.4	24	3	US-09-201-674-1	Sequence 1, Appli	942	19	0.4	29	3	US-09-157-177-46	Sequence 46, Appl
870	19.2	0.4	24	4	US-09-536-936-11	Sequence 11, Appl	943	19	0.4	30	1	US-08-296-793-2	Sequence 2, Appli
871	19.2	0.4	24	4	US-09-025-639-4	Sequence 4, Appli	C 944	19	0.4	33	1	US-08-438-639-69	Sequence 69, Appl
872	19.2	0.4	24	4	US-09-333-237-4	Sequence 4, Appli	C 945	19	0.4	33	1	US-07-813-338A-69	Sequence 69, Appl
873	19.2	0.4	24	4	US-09-732-067-1	Sequence 1, Appli	C 946	19	0.4	33	2	US-08-470-124-84	Sequence 84, Appl
874	19.2	0.4	25	2	US-08-173-489C-34	Sequence 34, Appl	C 947	19	0.4	33	3	US-08-441-971-145	Sequence 145, App
C 875	19.2	0.4	27	1	US-07-996-772A-8	Sequence 8, Appli	C 948	19	0.4	33	3	US-08-910-632-20	Sequence 20, Appl
876	19.2	0.4	27	1	US-08-330-000-2	Sequence 2, Appli	C 949	19	0.4	33	3	US-08-805-631A-20	Sequence 20, Appl
C 877	19.2	0.4	27	1	US-08-446-802-10	Sequence 10, Appl	C 950	19	0.4	33	4	US-08-221-653-145	Sequence 145, App
878	19.2	0.4	27	3	US-08-965-908-2	Sequence 2, Appli	C 951	19	0.4	33	4	US-08-442-144A-145	Sequence 145, App
C 879	19.2	0.4	27	5	PCT US93-12586-10	Sequence 10, Appl	C 952	19	0.4	33	4	US-08-441-970-145	Sequence 145, App
C 880	19.2	0.4	30	1	US-08-113-646A-16	Sequence 16, Appl	953	19	0.4	33	4	US-09-307-924-1	Sequence 1, Appli
C 881	19.2	0.4	30	1	US-08-113-646A-34	Sequence 34, Appl	C 954	19	0.4	33	4	US-09-569-344-20	Sequence 20, Appl
C 882	19.2	0.4	32	1	US-08-627-706-7	Sequence 7, Appli	955	19	0.4	34	3	US-08-910-632-21	Sequence 21, Appl
C 883	19.2	0.4	32	3	US-08-766-355-8	Sequence 8, Appli	956	19	0.4	34	3	US-08-805-631A-21	Sequence 21, Appl
C 884	19.2	0.4	32	4	US-09-103-489-7	Sequence 7, Appli	957	19	0.4	34	4	US-09-569-344-21	Sequence 21, Appl
C 885	19.2	0.4	32	4	US-09-003-198A-8	Sequence 8, Appli	958	19	0.4	35	1	US-08-126-594-10	Sequence 10, Appl
C 886	19.2	0.4	32	4	US-09-428-805-8	Sequence 8, Appli	959	19	0.4	35	1	US-08-126-594-14	Sequence 14, Appl
887	19.2	0.4	32	4	US-09-619-103-14	Sequence 14, Appl	960	19	0.4	35	1	US-08-126-594-15	Sequence 15, Appl
C 888	19.2	0.4	32	5	PCT-US92-10792-1	Sequence 1, Appli	961	19	0.4	35	1	US-08-126-594-16	Sequence 16, Appl
C 889	19.2	0.4	33	1	US-08-465-384-4	Sequence 4, Appli	962	19	0.4	35	1	US-08-126-594-17	Sequence 17, Appl
C 890	19.2	0.4	34	3	US-08-910-632-19	Sequence 19, Appl	963	19	0.4	35	1	US-08-126-594-18	Sequence 18, Appl
891	19.2	0.4	34	3	US-08-910-632-38	Sequence 38, Appl	964	19	0.4	35	1	US-08-465-811A-10	Sequence 10, Appl
892	19.2	0.4	34	3	US-08-805-631A-19	Sequence 19, Appl	965	19	0.4	35	1	US-08-465-811A-14	Sequence 14, Appl
893	19.2	0.4	34	3	US-08-805-631A-38	Sequence 38, Appl	966	19	0.4	35	1	US-08-465-811A-15	Sequence 15, Appl
894	19.2	0.4	34	4	US-09-569-344-19	Sequence 19, Appl	967	19	0.4	35	1	US-08-465-811A-16	Sequence 16, Appl
895	19.2	0.4	34	4	US-09-569-344-38	Sequence 38, Appl	968	19	0.4	35	1	US-08-465-811A-17	Sequence 17, Appl
C 896	19.2	0.4	36	3	US-09-362-318-3	Sequence 3, Appli	969	19	0.4	35	1	US-08-465-811A-18	Sequence 18, Appl
C 897	19.2	0.4	36	3	US-09-358-580-13	Sequence 13, Appl	970	19	0.4	35	2	US-08-619-542B-10	Sequence 10, Appl
C 898	19.2	0.4	36	3	US-09-362-506-3	Sequence 3, Appli	971	19	0.4	35	2	US-08-619-542B-14	Sequence 14, Appl
C 899	19.2	0.4	36	4	US-09-385-803-3	Sequence 3, Appli	972	19	0.4	35	2	US-08-619-542B-15	Sequence 15, Appl
C 900	19.2	0.4	36	4	US-09-425-381-3	Sequence 3, Appli	973	19	0.4	35	2	US-08-619-542B-16	Sequence 16, Appl
C 901	19.2	0.4	36	4	US-09-426-557-9	Sequence 9, Appli	974	19	0.4	35	2	US-08-619-542B-17	Sequence 17, Appl
C 902	19.2	0.4	36	4	US-09-413-574-5	Sequence 5, Appli	975	19	0.4	35	2	US-08-619-542B-18	Sequence 18, Appl
C 903	19.2	0.4	36	4	US-09-372-442A-49	Sequence 49, Appl	C 976	19	0.4	37	3	US-09-024-020B-34	Sequence 34, Appl

ALIGNMENT

RESULT 2
US-09-641-638-661/C
; Sequence 661. Affiliation: PC/ozq1p0a
; Patent No. 6432648
; GENERAL INFORMATION.

NAME: Sara, Charles S.
REGISTRATION NUMBER: 30,492
REFERENCE/DOCKET NUMBER: 09865.601
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 831-2100
TELEFAX: (608) 831-2106

; TITLE OF INVENTION: DNA BRACKETING LOCUS COMPATIBLE STANDARDS FOR
 ; TITLE OF INVENTION: ELECTROPHORESIS

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; ANTI-SENSE: NO
; FRAGMENT TYPE: C

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US-08-222-1 / A-383
Query Match


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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: hybridization oligo
US-09-732-067-7

Query Match          0.5%; Score 27.8; DB 4; Length 40;
Best Local Similarity 82.1%; Pred.No. 3.1e+02;
Matches 32; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 3117 TTCTTTCTCCTTCCTTTTGTGTTTTTTT 3155
Db 40 TTTTGTGTTTTTTTGTGTTTTTTT 2

RESULT 10
US-08-664-596B-9/c
; Sequence 9, Application US/08664596B
; Patent No 5407703
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John
; APPLICANT: Lavallie, Edward
; APPLICANT: Racie, Lisa
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Evans, Cheryl
; APPLICANT: Spaulding, Vikki
; APPLICANT: Bowman, Michael
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES
; TITLE OF INVENTION: ENCODING THEM
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genetics Institute, Inc.
; STREET: 87 CambridgePark Drive
; CITY: Cambridge
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/664,596B
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Brown, Scott A.
; REGISTRATION NUMBER: 32,724
; TELEPHONE: (617) 498-8224
; TELEFAX: (617) 876-5851
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 44 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-08-664-596B-9

Query Match          0.5%; Score 27.8; DB 1; Length 44,
Best Local Similarity 82.1%; Pred.No. 3.3e+02;
Matches 32; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 3117 TTCTTTCTCCTTCCTTTTGTGTTTTTTT 3155
Db 41 TTTTGTGTTTTTTTGTGTTTTTTT 3

RESULT 11
US-08-420-443-1/c
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; Sequence 1, Application US/08420443
; Patent No. 5607834
; GENERAL INFORMATION:
; APPLICANT: C. Bruce Bagwell
; TITLE OF INVENTION: NUCLEIC ACID PROBES
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM PS/2 Model 50Z or 55SX
; OPERATING SYSTEM: MS-DOS (Version 5 0)
; SOFTWARE: WordPerfect (Version 5 1)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/420,443
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/990,298
; FILING DATE: 19921210
; ATTORNEY/AGENT INFORMATION:
; NAME: Y. Rocky Tsao
; REGISTRATION NUMBER: 34,053
; REFERENCE/DOCKET NUMBER: 05663/002001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-5070
; TELEFAX: (617) 542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 50
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-420-443-1

Query Match          0.5%; Score 27.8; DB 1; Length 50;
Best Local Similarity 82.1%; Pred.No. 3.6e+02;
Matches 32; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 3117 TTCTTTCTCCTTCCTTTTGTGTTTTTTT 3155
Db 50 TTTTGTGTTTTTTTGTGTTTTTTT 12

RESULT 12
US-09-641-638-934/c
; Sequence 934, Application US/09641638
; Patent No. 6432648
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Chumakov, Ilya
; APPLICANT: Cohen, Annick
; TITLE OF INVENTION: BIALLELIC MARKERS DERIVED FROM GENOMIC REGIONS CARRYING
; FILE REFERENCE: GENSET.051CPI
; CURRENT APPLICATION NUMBER: US/09/641,638
; CURRENT FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: US 09/502,330
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: US 60/133,200
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: US 09/275,267
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: US 60/119,917
; PRIOR FILING DATE: 1999-02-12
```



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; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/442,745
; FILING DATE: 17-may-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/233609
; FILING DATE: 25-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/286304
; FILING DATE: 05-AUG-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Torchia, Timothy E.
; REGISTRATION NUMBER: 36,700
; REFERENCE/DOCKET NUMBER: 894P1D1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-8674
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 50 bases
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
US-08-442-745-5

Query Match 0.5%; Score 26.2; DB 1; Length 50;
Best Local Similarity 72.3%; Pred. No. 9.4e+02;
Matches 34; Conservative 0; Mismatches 13; Indels 0;

QY 1240 AAAAAACAAAACAAAACAAAACAAAACAAAACCCCAAGTCCCTTCCCGGCAG 1286
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 48 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGATTTCGAGTCCGCGCCG 2

RESULT 23
US-08-443-129-5/c
; Sequence 5, Application US/08443129
; Patent No. 5627073
; GENERAL INFORMATION:
; APPLICANT: Baker, Joffre
; APPLICANT: Chien, Kenneth
; APPLICANT: King, Kathleen
; APPLICANT: Pennica, Diane
; APPLICANT: Wood, William
; TITLE OF INVENTION: Cardiac Hypertrophy Factor and Uses Therefor
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/443,129
; FILING DATE: 17-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/233609

```


; ; CITY: south San Francisco

Matches 29; Conservative 0; Mismatches 5; Indels

Best Local Similarity 87.5%; Pred. No. 1.4e+03;
Matches 28; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3124 TTCTTCTCTTTTGTGTTTTTTTTTTTTTTTTTTTTTTT 3155
||||| TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
Db 18 TTCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT 49

RESULT 35
US-08-286-304-5
; Sequence 5, Application US/08286304
; Patent No. 5571893
; GENERAL INFORMATION:
; APPLICANT: Baker, Joffre
; APPLICANT: Chien, Kenneth
; APPLICANT: King, Kathleen
; APPLICANT: Pennica, Diane
; APPLICANT: Wood, William
; TITLE OF INVENTION: Cardiac Hypertrophy Factor and Uses Therefor
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/286,304
; FILING DATE: 05-AUG-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/233609
; FILING DATE: 25-APR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Hasak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 894P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 50 bases
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-286-304-5

Query Match 0.5%; Score 25.6; DP 1; Length 50;
Best Local Similarity 87.5%; Pred. No. 1.4e+03;
Matches 28; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3124 TTCTTCTCTTTTGTGTTTTTTTTTTTTTTTTTTTTTTT 3155
||||| TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
Db 18 TTCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT 49

RESULT 36
US-08-442-745-5
; Sequence 5, Application US/08442745
; Patent No. 5624806
; GENERAL INFORMATION:
; APPLICANT: Baker, Joffre
; APPLICANT: Chien, Kenneth
; APPLICANT: King, Kathleen
; APPLICANT: Pennica, Diane

; APPLICANT: Wood, William
; TITLE OF INVENTION: Cardiac Hypertrophy Factor and Uses Therefor
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/442,745
; FILING DATE: 17-may-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/233609
; FILING DATE: 25-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/286304
; FILING DATE: 05-AUG-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Torchia, Timothy E.
; REGISTRATION NUMBER: 36,700
; REFERENCE/DOCKET NUMBER: 894P1D1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-8674
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 50 bases
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-442-745-5

Query Match 0.5%; Score 25.6; DP 1; Length 50;
Best Local Similarity 87.5%; Pred. No. 1.4e+03;
Matches 28; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3124 TTCTTCTCTTTTGTGTTTTTTTTTTTTTTTTTTTTTTT 3155
||||| TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
Db 18 TTCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT 49

RESULT 37
US-08-443-129-5
; Sequence 5, Application US/08443129
; Patent No. 5627073
; GENERAL INFORMATION:
; APPLICANT: Baker, Joffre
; APPLICANT: Chien, Kenneth
; APPLICANT: King, Kathleen
; APPLICANT: Pennica, Diane
; APPLICANT: Wood, William
; TITLE OF INVENTION: Cardiac Hypertrophy Factor and Uses Therefor
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

Search completed: March 11, 2003, 16:22:35
Job time : 138 secs